Blakely, Sokoloff, Taylor & Zatman LLP   (408) 947-8200
Title: Method and Apparatus For Achieving Dynamic Capacity and
High Availability in Mutli-Stage Data Networks Using Adaptive
Flow-Based Routing
1st Named Inventor: Chandrasekharan Nilakantan
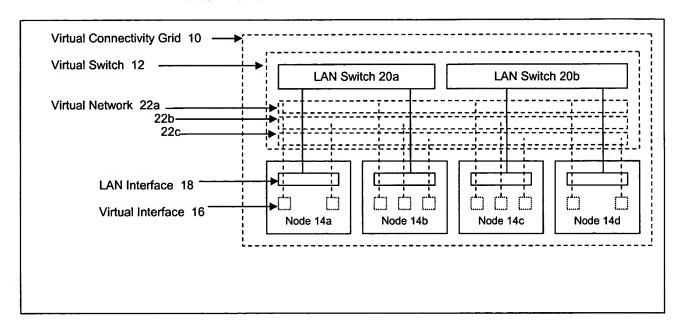Express Mail No.: EV301831475US   Docket No.: 6728P001
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Figure 1

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Express Mail No.: EV301831475US   Docket No.: 6728P001
Sheet: 2 of 10
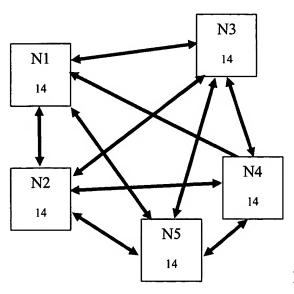
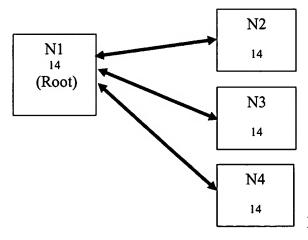Figure 2A

Figure 2B

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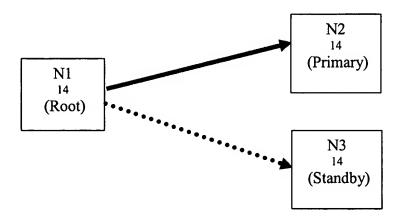Express Mail No.: EV301831475US   Docket No.: 6728P001
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Figure 2C

Figure 2D

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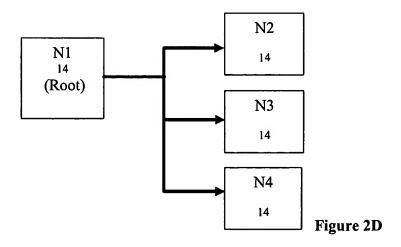Express Mail No.: EV301831475US   Docket No.: 6728P001
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Figure 2E

Figure 2F

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Title: Method and Apparatus For Achieving Dynamic Capacity and
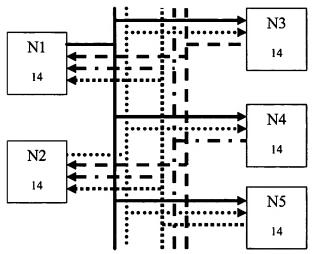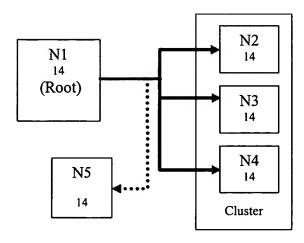High Availability in Mutli-Stage Data Networks Using Adaptive
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N1   14e
VLI   16
IPP 19b

N2   14f
VLI   16

N3   14g
VLI   16

LPP 19a

Collector Node   14h

Figure 2G

Node 14

Operating System 28

Application Software 34

Node Management Module 36

Virtual Interface Driver #1 30a

Virtual Interface Driver #2 30b

Virtual Interface Driver #3 30c

Flow Routing Module 32

LAN (Ethernet) Driver 26

LAN (Ethernet) Hardware 18

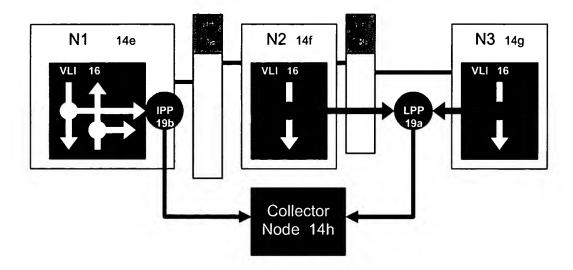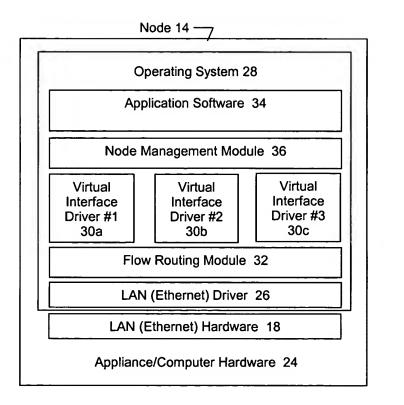Appliance/Computer Hardware 24

Figure 3

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Figure 4

Multi-stage Network 40

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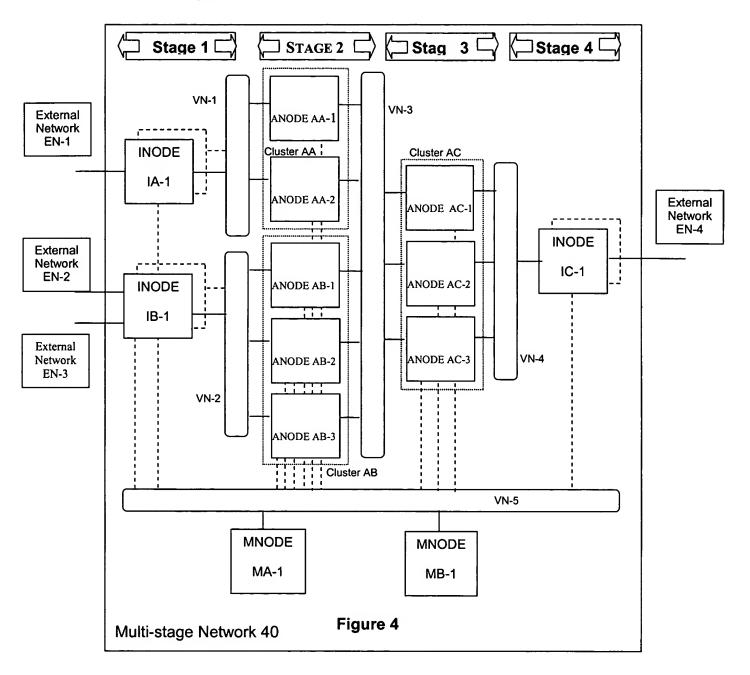High Availability in Mutli-Stage Data Networks Using Adaptive
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Express Mail No.: EV301831475US   Docket No.: 6728P001
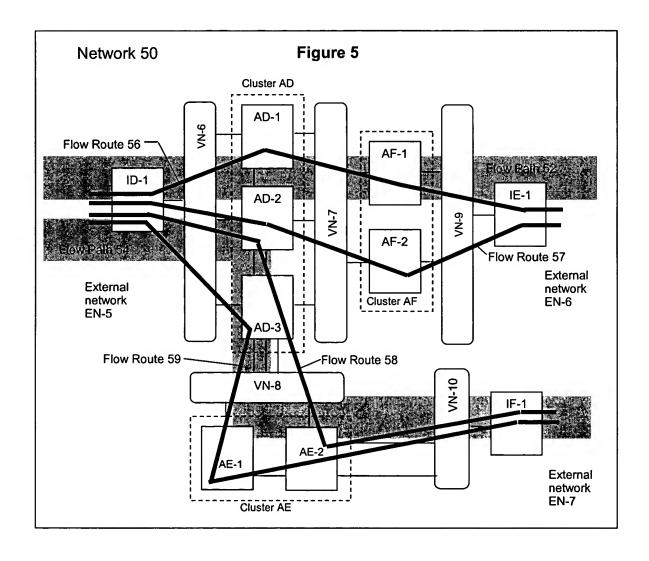Sheet: 7 of 10

Figure 5

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Figure 6

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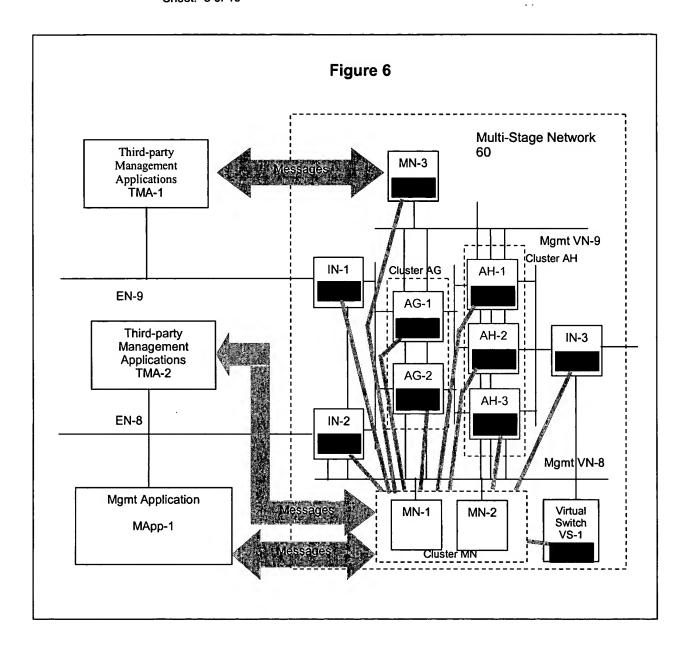High Availability in Mutli-Stage Data Networks Using Adaptive
Flow-Based Routing
1st Named Inventor: Chandrasekharan Nilakantan
Express Mail No.: EV301831475US   Docket No.: 6728P001
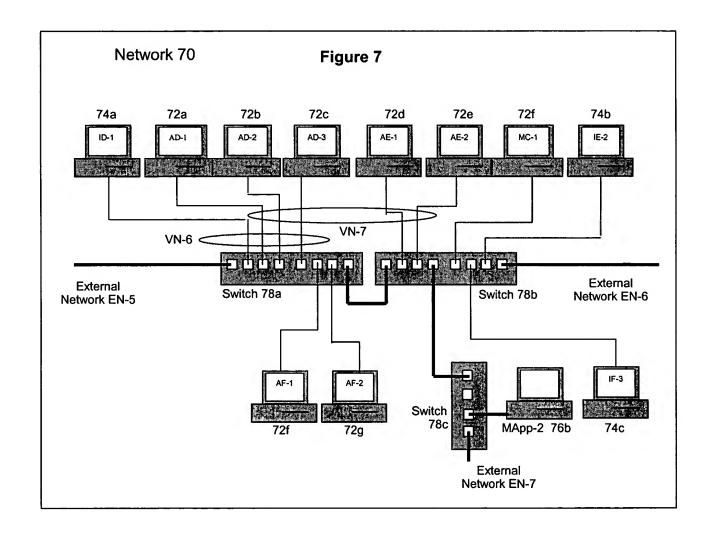Sheet: 9 of 10

Network 70   **Figure 7**

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Figure 8